

**CLAIMS**

1. A Mowgli GPCR polypeptide comprising the amino acid sequence shown in SEQ ID NO: 3, SEQ ID NO: 5, SEQ ID NO: 6 or SEQ ID NO: 8, or a homologue, variant or derivative thereof.
- 5 2. A nucleic acid encoding a polypeptide according to Claim 1.
3. A vector comprising a nucleic acid according to Claim 1.
4. A host cell comprising a nucleic acid according to Claim 2.
5. A host cell comprising a vector according to Claim 3.
6. A transgenic non-human animal comprising a nucleic acid according to Claim 2.
- 10 7. A transgenic non-human animal according to Claim 6 which is a mouse
8. A transgenic non-human animal comprising a vector according to Claim 3.
9. A transgenic non-human animal according to Claim 8 which is a mouse.
10. A method for identifying an antagonist of a Mowgli GPCR, the method comprising contacting a cell which expresses Mowgli receptor with a candidate compound and  
15 determining whether the level of cyclic AMP (camp) in the cell is lowered as a result of said contacting.

11. An immunogenic composition comprising the polypeptide of Claim 1.
12. An immunogenic composition comprising the nucleic acid of claim 2.